

Contents

Marine Geology Volume 85, 1988/1989

Research Papers

Evidence of recent sedimentation in the eastern Irish Sea P.J. Kershaw, D.J. Swift and D.C. Denoon (Lowestoft, England)	1
Diatom assemblages as upwelling indicators in surface sediments off Portugal F. Abrantes (Narragansett, R.I., U.S.A.)	15
Eocene to Pleistocene phosphogenesis off western South Africa J.M. McArthur (London, England), J. Thomson (Godalming, England), I. Jarvis (Kingston-upon-Thames, England), A.E. Fallick (Glasgow, Scotland) and G.F. Birch (Rondebosch, South Africa)	41
Geochemistry and mineralogy of seafloor hydrothermal and hydrogenetic Mn oxide deposits from the Manus Basin and Bismarck Archipelago region of the southwest Pacific Ocean B.R. Bolton and R. Both (Adelaide, S.A., Australia), N.F. Exon (Canberra, A.C.T., Australia), T.F. Hamilton (Parkville, Vic., Australia), J. Ostwald (Wallsend, N.S.W., Australia) and J.D. Smith (Parkville, Vic., Australia)	65

Letter Section

Late Cenozoic offsets on the offshore connection between the Fairweather and Queen Charlotte faults off southeast Alaska P.R. Carlson, T.R. Bruns and G. Plafker (Menlo Park, Calif., U.S.A.)	89
---	----

Book Reviews

<i>The Origin of Arcs</i> by F.-C. Wezel (Editor) — P.E. Baker	99
<i>Mid-Tertiary Stratigraphy and Paleogeographic Evolution of Hungary</i> by T. Báldi-V. Pokorný	99

Special issue. Modern Glacimarine Environments: Glacial and Marine Controls on Modern Lithofacies and Biofacies (Edited by R.D. Powell and A. Elverhøi)

Introduction R.D. Powell (DeKalb, Ill., U.S.A.) and A. Elverhøi (Oslo, Norway)	III
Sedimentation beneath ice shelves — the view from ice stream B R.B. Alley, D.D. Blankenship, S.T. Rooney and C.R. Bentley (Madison, Wisc., U.S.A.)	101
Marine controls on modern sedimentation on the Antarctic continental shelf S.S. Jacobs (Palisades, N.Y., U.S.A.)	121
Biogenic sedimentation in McMurdo Sound, Antarctica R.B. Dunbar and A.R. Leventer (Houston, Tex., U.S.A.) and W.L. Stockton (La Jolla, Calif., U.S.A.)	155
Climatic control of sedimentation in bays and fjords of the northern Antarctic Peninsula T.W. Griffith and J.B. Anderson (Houston, Tex., U.S.A.)	181
High-resolution seismic-reflection interpretations of some sediment deposits, Antarctic continental margin: Focus on the western Ross Sea H.A. Karl (Menlo Park, Calif., U.S.A.)	205
Glaciomarine sedimentation in epicontinental seas exemplified by the northern Barents Sea A. Elverhøi (Oslo, Norway), S.L. Pirman (Kiel, F.R.G.) and A. Solheim and B.B. Larsen (Oslo, Norway)	225
Glacigenic sediments on a passive continental margin as exemplified by the Barents Sea T.O. Vorren, E. Lebesbye, K. Andreassen and K.-B. Larsen (Tromsø, Norway)	251
A comparison of models of glacial sedimentation along the eastern Canadian margin H.W. Josenhans and G.B.J. Fader (Dartmouth, N.S., Canada)	273
On the deposition of sediment within glacier-influenced fjords: oceanographic controls J.P.M. Syvitski (Dartmouth, N.S., Canada)	301
Macrofauna of Canadian arctic fjords J.E. Dale (Kingston, Ont., Canada), A.E. Aitken (Hamilton, Ont., Canada), R. Gilbert (Kingston, Ont., Canada) and M.J. Risk (Hamilton, Ont., Canada)	331

Glacimarine sedimentary processes, facies and morphology of the south-southeast Alaska shelf and fjords	
R.D. Powell (DeKalb, Ill., U.S.A.) and B.F. Molnia (Reston, Va., U.S.A.).....	359
Seismic reflection characteristics of glacial and glacimarine sediment in the Gulf of Alaska and adjacent fjords	
P.R. Carlson (Menlo Park, Calif., U.S.A.).....	391
<i>Contents Volume 85</i>	417

